Forest Insect & Disease Management

Report No. 79-3-37

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, BIENVILLE NATIONAL FOREST

LAND OWNERSHIP OR SURVEY AREA: **Bienville National Forest**

STATE: **Mississippi**

AREA WITHIN SURVEY BOUNDARY: 382,821 Acres

DATE: August 21, 1979

PERCENT COVERAGE: 50%

AIRCRAFT: Cessna 172

CREW: B.I. Hammond, W.A. Carothers

REPORT PREPARED BY: W.A. Carothers

SURVEY OBJECTIVES

To detect and map Southern Pine Beetle infestations within the boundaries of the Bienville National Forest.

SURVEY RESULTS

Four hundred and seventy nine separate suspected Southern Pine Beetle spots were observed. The size of the spots ranged from 1-200 trees per spot (refer to table). Heavy concentrations of spots were observed in the Bienville and Caney Creek Wildlife Management areas (refer to map). Other spots were scattered throughout the remainder of the national forest.

CONCLUSIONS

Southern Pine Beetle activity is at a high level on the Bienville National Forest. A biological evaluation is currently being conducted by the Alexandria Field Office of Forest Insect and Disease Management.

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Table I: Summary of Aerial Survey Data, Bienville National Forest, 8/21/79

Infestation Size (# Trees)

1		2-5		6-20		21-50		51-100		101+	
Spots:	Trees	Spots:	Trees	Spots:	Trees	Spots:	Trees	Spots:	Trees	Spots:	Trees
54	54	64	299	179	2631	156	5980	23	2115	3	500

For any additional information, contact:

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